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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/799,801	03/12/2004	Sander Jurgen Roosendaal	NL010603A	8309

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EXAMINER

NGUYEN, HOAN C

ART UNIT	PAPER NUMBER
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2871

MAIL DATE	DELIVERY MODE
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04/11/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/799,801	Applicant(s) ROOSEDAAL ET AL.	
	Examiner HOAN C. NGUYEN	Art Unit 2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 6, 14, 16-19, 21 and 23-27 is/are pending in the application.
- 4a) Of the above claim(s) 6, 14 and 16-19 is/are withdrawn from consideration.
- 5) ☐ Claim(s) 21 is/are allowed.
- 6) ☒ Claim(s) 23-25 and 27 is/are rejected.
- 7) ☐ Claim(s) 26 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02/02/2006 has been entered.

Preliminary Amendment filed on 3/2/2006 has been considered.

Claims 1-5, 7-13, 15, 20 and 22 are cancelled. Claims 6, 14, 16-19 are withdrawn.

The withdrawn claims 14, 16-19 depends on the cancelled claim 12.

This application contains claims 6, 14, 16-19 drawn to an invention nonelected with traverse in the reply filed on 04/07/2005. A complete reply to this RCE rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144)

See MPEP § 821.01.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 23-25 and 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Kuo et al. (US6300993B1).

Kuo et al. disclose (Fig. 2) a method of producing a patterned optical foil comprising:

- providing a film of reactive liquid crystal material (chiral nematic liquid crystal 206);
- providing a pattern for processing the reactive liquid crystal material that defines first area segments 40 and second area segments 41 of the film; and
- processing the reactive liquid crystal material via the pattern to produce:
 - a first optical retardation in the first area segments, and
 - a second optical retardation in the second area segments;

wherein

- the first optical retardation is substantially different from the second optical retardation due to different titling, and each pair of first area segments and second area segments corresponds to a pixel of an array of pixels of a display device.

Claim 24:

- providing a pair of polarizers that sandwich the array of pixels to form the display device.

Claim 25:

- each pixel includes electrodes that are configured to control the liquid crystal material.

Claim 27:

- the first optical retardation is substantially determined by a thickness of the patterned optical film.

4. Claims 23-25 and 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Kubo et al. (US7084943B2).

Kubo et al. disclose (Fig. 29) a method of producing a patterned optical foil comprising:

- providing a film of reactive liquid crystal material (chiral nematic liquid crystal 30a);
- providing a pattern for processing the reactive liquid crystal material that defines first area segments on layer 24 and second area segments on layer 25 of the film; and
- processing the reactive liquid crystal material via the pattern to produce:
 - a first optical retardation in the first area segments, and
 - a second optical retardation in the second area segments;

wherein

- the first optical retardation is substantially different from the second optical retardation due to different titling, and each pair of first area segments and second area segments corresponds to a pixel of an array of pixels of a display device.

Claim 24:

- providing a pair of polarizers that sandwich the array of pixels to form the display device.

Claim 25:

- each pixel includes electrodes that are configured to control the liquid crystal material.

Claim 27:

- the first optical retardation is substantially determined by a thickness of the patterned optical film.

Allowable Subject Matter

Claim 21 is allowed.

The following is an examiner's statement of reasons for allowance:

there is no prior discloses a method of producing a patterned optical foil comprising providing a pattern for processing the reactive liquid crystal material that defines first area segments and second area segments on layer, wherein

- the first optical retardation is configured to provide an optical twist in the range of 80 to 100 degrees, and the second optical retardation is configured to provide an optical twist at or near zero degrees.
- the first area segments and second area segments form pairs of segments that are arranged as a two-dimensional array of pairs of segments,
- the array of pairs of segments corresponds to an array of pixels of a display device.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Claim 26 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: there is no prior discloses a method of producing a patterned optical foil comprising providing a pattern for processing the reactive liquid crystal material that defines first area segments and second area segments on layer, wherein

- the first optical retardation is substantially different from the second optical retardation
- each pair of first area segments and second area segments corresponds to a pixel of an array of pixels of a display device.
- the first optical retardation is configured to provide an optical twist in the range of 80 to 100 degrees, and the second optical retardation is configured to provide an optical twist at or near zero degrees.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HOAN C. NGUYEN whose telephone number is (571) 272-2296. The examiner can normally be reached on MONDAY-THURSDAY:8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HOAN C. NGUYEN
Examiner
Art Unit 2871

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/Andrew Schechter/
Primary Examiner, Art Unit 2871